

Rec'd PCT/PTO 09 JUN 2005  
10/538211

PTO/SB/96 (11-04)

Approved for use through 11/30/2005, OMB 0651-0035

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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

24737

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

24737

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Fax		


Assignee Name and Address:

KONINKLIJKE PHILIPS ELECTRONICS N.V.  
Groenewoudseweg 1  
5621 BA Eindhoven, The Netherlands

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	14 January 2005
Name	Michael E. Marion	Telephone	(914) 333-9637
Title	Authorized Representative		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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10/538211

PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## STATEMENT UNDER 37 CFR 3.73(b)

3017 Rec'd PCT/PTO 09 JUN 2005

Applicant/Patent Owner: Koninklijke Philips Electronics N.V.Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: ConcurrentlyEntitled: METHODS AND APPARATUS FOR IMPROVING THE BREATHING OF DISK SCHEDULING ALGORITHMSKoninklijke Philips Electronics N.V., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

6/8/05

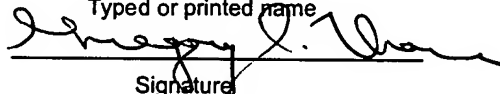
Date

(914) 333-9665

Telephone number

GREGORY L. THORNE, Reg. 39,398

Typed or printed name



Signature

Sr. Intellectual Property Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Approved for use through 03/2002 OMB 1545-0032  
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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration  
Submitted With Initial  
Filing

OR

☐ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number NL021364

First Named Inventor JOHANNES H.M. KORST

**COMPLETE IF KNOWN**

Application Number /

Filing Date

Group Art Unit

Examiner Name

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS AND APPARATUS FOR IMPROVING THE BREATHING OF DISK  
SCHEDULING ALGORITHMS**

the specification of which (Title of the Invention)

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

**Burden Hour Statement:** This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450.

10/538211

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC17 Rec'd PCT/PTO 09 JUN 2005  
Atty. Docket

In re Application of

JOHANNES H.M. KORST ET AL

NL021364

Serial No.

Filed: CONCURRENTLY

Title: METHODS AND APPARATUS FOR IMPROVING THE BREATHING OF DISK  
SCHEDULING ALGORITHMS

Commissioner for Patents  
Alexandria, VA 22313

APPOINTMENT OF ASSOCIATES

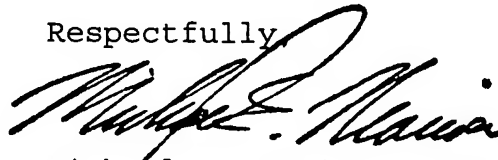
Sir:

The undersigned Attorney of Record hereby revokes all prior appointments (if any) of Associate Attorney(s) or Agent(s) in the above-captioned case and appoints:

/— GREGORY L. THORNE (Registration No. 39,398)  
c/o U.S. PHILIPS CORPORATION, Intellectual Property & Standards,  
345 Scarborough Road, P.O. Box 3001, Briarcliff Manor, New York  
10510, his Associate Attorney(s)/Agent(s) with all the usual powers to prosecute the above-identified application and any division or continuation thereof, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

ALL CORRESPONDENCE CONCERNING THIS APPLICATION AND THE LETTERS PATENT WHEN GRANTED SHOULD BE ADDRESSED TO THE UNDERSIGNED ATTORNEY OF RECORD.

Respectfully



Michael E. Marion, Reg. 32,266  
Attorney of Record

Dated at Briarcliff Manor, New York  
this 7<sup>th</sup> day of June, 2005.

10/538211

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number or Bar Code Label **\*24737\***  OR ☐ Correspondence address below

PATENT TRADEMARK OFFICE

Name  
**PHILIPS ELECTRONICS NORTH AMERICA CORPORATION**

Address  
**P.O. BOX 3001**

City **BRIARCLIFF MANOR** State **NEW YORK** ZIP **10510**

Country **USA** Telephone **(914) 332-0222** Fax **(914) 332-0615**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) **JOHANNES H.M.** Family Name or Surname **KORST**

Inventor's Signature *[Signature]* Date **11/12/2003**

**EINDHOVEN** **NLX** **THE NETHERLANDS** **THE NETHERLANDS**  
Residence: City State Country Citizenship

**PRINS ALEXANDERSTRAAT 24**  
Mailing Address

**EINDHOVEN** **5616 BL** **THE NETHERLANDS**  
City State Zip Country

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) **HONG** Family Name or Surname **LI**

Inventor's Signature *[Signature]* Date **11/12/2003**

**VELDHOVEN** **NLX** **THE NETHERLANDS** **CHINA**  
Residence: City State Country Citizenship

**KERMISBERG 16**  
Mailing Address

**VELDHOVEN** **5508 DW** **THE NETHERLANDS**  
City State Zip Country

☒ Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

10/538211 (11-00)

Please type a plus sign (+) inside this box ☐

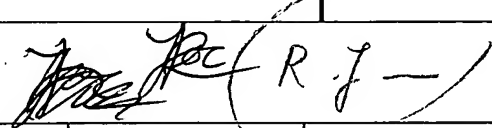

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# DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: <u>ROBERT</u> (first and middle (if any))		Family Name or Surname: <u>JOCHENSEN</u>	
Inventor's Signature 		Date <u>22-1-2003</u>	
Residence: City <u>EINDHOVEN</u>	State	Country <u>THE NETHERLANDS</u>	Citizenship <u>THE NETHERLANDS</u>
Mailing Address <u>OPWETTENSEMOLEN 36</u>			
Mailing Address			
City <u>EINDHOVEN</u>	State	ZIP <u>5612 DG</u>	Country <u>THE NETHERLANDS</u>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: <u>NICOLAAS</u> (first and middle (if any))		Family Name or Surname: <u>LAMBERT</u>	
Inventor's Signature 		Date <u>11/12/2003</u>	
Residence: City <u>WAALRE</u>	State	Country <u>THE NETHERLANDS</u>	Citizenship <u>THE NETHERLANDS</u>
Mailing Address <u>W. SMULDERSPLEIN 6</u>			
Mailing Address			
City <u>WAALRE</u>	State	Zip <u>5582 JJ</u>	Country <u>THE NETHERLANDS</u>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	

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Please type a plus sign (+) inside this box → ☐

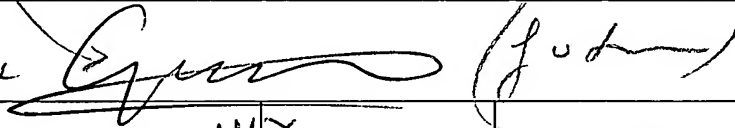
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# DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: <u>GERARDUS W.T.</u> (first and middle [if any])		Family Name or Surname: <u>VAN DER HEIJDEN</u>	
Inventor's Signature: 		Date: <u>28/01/2004</u>	
Residence: City <u>HAAREN</u> State <u>NLX</u>	Country <u>THE NETHERLANDS</u>	Citizenship <u>THE NETHERLANDS</u>	
Mailing Address <u>LUPINE 10</u>			
Mailing Address			
City <u>HAAREN</u>	State	ZIP <u>5076 HK</u>	Country <u>THE NETHERLANDS</u>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname:	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	

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